

IN THE SPECIFICATION

Page 2, please replace paragraph [009] with the following:

To this end, a system of the invention comprises a first and second stations capable of transmitting and receiving data modulated using respective first and second modulation schemes. The first modulation scheme may be a DSSS/CCK modulation and the second scheme may be an OFDM modulation. The system also comprises an access point for communicating with the first and the second stations. The access point transmits a beacon frame indicating a beginning of a contention-free period followed by a contention period. In the invention, the contention-free period comprises a sub-contention period. During this sub-contention period, the second station transmits data modulated using the second modulation scheme, according to a distributed coordination function access mechanism.

Page 5, please replace paragraph [018] with the following:

During the contention-free period CFP, the access point AP has control of the medium and delivers traffic to stations STA1-STA6 and may poll stations STA1-STA6 that have requested contention-free service for them to deliver traffic to the access point AP. As a result, the traffic in the contention-free period CFP comprises frames sent from the access point AP to one or more of the stations STA1-STA6 followed by the acknowledgment from those stations. Every station STA may receive frames addressed to it by the access point AP and return an acknowledgment. The access point AP sends a contention-free poll (CF-Poll) frame to those stations STA1-STA6 that have requested contention-free

service. If the station STA polled has traffic to send, it may transmit one frame for each contention-free poll CF-Poll received. If the station STA has no traffic to send, it may decide not to respond to the contention-free poll CF-Poll. The access point AP may send the contention-free poll CF-Poll addressed to a station together with data to be transmitted to that station.